

Splitting of supervector bundles on projective superspaces

Wednesday, 8 October 2025 11:00 (1 hour)

In this talk, we will introduce basic concepts of superalgebraic geometry and explore why certain classical foundational results, such as the Birkhoff-Grothendieck splitting criterion, do not extend naturally to the supergeometric setting. We then present a splitting criterion for supervector bundles and give some examples of supervector bundles with vanishing cohomology that do not split.

Joint work with Ugo Bruzzo (SISSA).

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